

50. A solid chemical composition in accordance with Claim 49 wherein the composition is used as a component in a remediation trench, slurry-wall, semi-permeable barrier, as a well-packing material in a screened well, or other subsurface remedial application.

51. A solid chemical composition for anaerobic biodegradation, detoxification, and transformation of toxic organic and inorganic compounds in contaminated geologic media, comprised in whole or in part with minerals containing Fe (III) including Fe(III)OH and equivalents thereof.

52. A solid chemical composition in accordance with Claim 51 wherein the Fe (III) contained in said granular composition acts as an electron acceptor for iron-reducing bacteria and/or other MRP anaerobic bacteria.

53. A solid chemical composition in accordance with Claim 52 wherein the composition is used as a component in a remediation trench, slurry-wall, semi-permeable barrier, as a well-packing material in a screened well, or other subsurface remedial application.